



THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

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Project Status Report dated July 6, 2007

(Submitted to The Reclamation Board for the July 20, 2007, meeting)

A progress report of the various phases of the Three Rivers Levee Improvement Authority (TRLIA) project is provided in the followings sections of this document.

1. Levee utility crossings to meet current Corps and State of California Criteria:

As a condition of certification TRLIA provided to the Corp of Engineers on June 14, 2007 a utility report that identified all of the utilities, lists those that are deficient, and provided a plan and schedule for taking corrective action if necessary. The report identified that as built information for most utility crossings is minimal. There have been no levee problems at the utility crossings. However some of the utilities do not meet current crossing codes. TRLIA met with the Corps of Engineers and Reclamation Board Staff on July 2, 2007 to discuss the findings of the report. As a result of that meeting the following actions will occur: a) Additional information will be gathered on pipe condition and strength, b) the utilities will be asked to replace missing crossing markers, c) the inverts of the pipes will be compared to the 200-year flood elevations and d) some levee potholing will occur at the Bear and WPIC to attempt to locate what appear to be abandoned utilities. Some of these crossings were permitted by the Reclamation Board many years, as many as 50, ago. Standards were different then and crossings under legitimate permits may not meet current standards. Any needed modifications may require a revised permit. TRLIA will continue working with the Reclamation Board and the Corps to get needed modifications accomplished.

2. Levee Design and Construction Work:

a. Phase 2 Levee Repair - Bear River Station 131 and easterly, Western Pacific Interceptor Canal and Yuba River from just east of Highway 70 to the Union Pacific Railroad:

- 1) The State Reclamation Board has accepted and is still processing the encroachment permit application for the Caltrans detention basin as approved at the February Reclamation Board meeting.
- 2) TRLIA has committed to the Corp of Engineers that TRLIA & PG&E will remove a power pole within the seepage berm near Sta. 33+00 of the Yuba River. The Corps has required TRLIA to complete this work by November 1, 2007. The Reclamation Board has provided an encroachment permit to PG&E for this

relocation. PG&E has obtained a modified crossing easement from UPRR. This work had been scheduled for July 10. However, part of the electrical grid will have to be shut down to accomplish this relocation and it would disrupt too many customers during the heat of summer to do it at that time. TRLIA and PG&E are coordinating for a time that will provide less disruption to electrical customers and still meet our commitment to the Corps of Engineers. TRLIA will observe the relocation to be certain that the seepage berm is not damaged and the hole from the removed power pole is backfilled appropriately.

- 3) TRLIA has committed to the Corps of Engineers to conduct a field investigation and properly abandon, if required, the CMP located under the WPIC levee near Sta. 264+60. This work is planned to be completed jointly by TRLIA and RD 784 as normal maintenance no later than November 1, 2007. We are currently working with the landowner on right of entry for this work and seeking environmental clearances from the resource agencies.

b. Phase 3 Construction – Bear River Setback Levee between the Feather River Levee and the limit of Phase 2 Construction:

- 1) Restoration plantings are being monitored and maintained.

c. Phase 4 – Yuba River Levee between the Union Pacific Railroad and the Goldfields:

- 1) TRLIA committed to the Corps of Engineers to install piezometers along the Phase 4 slurry wall in accordance to the recommendations contained in HDR's February 22, 2007 memo re: Evaluation of As-Built Conditions, Yuba River Cutoff Wall (Phase 4). All piezometers are planned to be installed no later than November 1, 2007. TRLIA will request an amendment to encroachment permit 18095 GM to do this work.
- 2) Design continues on the erosion problem that exists just downstream of the Goldfields. This was a site of erosion during the 1997 event. We are working with the Corps to determine the appropriate water surface to use for design of this reach.

d. Phase 4 – Feather River Levee between Bear and Yuba Rivers:

1) Segments 1, 2, and 3:

- a) An application for Prop 1E funding was submitted to DWR on 1 May 2007. DWR had indicated that if the TRLIA application is approved for funding then a State agreement might be able to be accomplished by June/July with early project funding in July 2007. DWR has still not announced its selections. This will most likely slip the agreement execution until late July or August, which means Prop 84 funding for land acquisition would most likely not be available until August 2007 and Prop 1E funding for construction later in the year.

2) Segment 1 & 3:

- a) Construction bids for TRLIA Segments 1 and 3 have been opened. Bids were below the Engineer's Estimate. The project was bid so that portions of the project could be awarded separately or all together (Feather Segment 3; Feather Segment 1; and Site 7 Extension (within Segment 1). TRLIA hopes to construct all or portions of this project in 2007; however, award of the construction contract will not occur until Federal 408 approval is given and funding obtained. The encroachment permit for this work was approved at the June 8 special Reclamation Board meeting. In order to allow for the potential to construct any portion of this project this year, TRLIA may award two "critical path" non construction items of work. These items are as follows:
 - 1. *Development of a mix design for the Soil-Cement-Bentonite Cutoff Wall.*
 - 2. *Purchase of pipe materials related to the Linda Wastewater Discharge Pipe Relocation.*
- b) The Corps is processing the Section 408 request. The District forwarded the request to Headquarters on June 22, 2007.
- c) As reported in a past update the TRLIA Board has approved Real Property two Resolution of Necessities for the non-setback portion of the Feather Rivers levee improvements.
- d) Depending upon the timing of funding and 408 approval, the improvements planned for Segments 1 and 3 will be accomplished in the 2007 and/or 2008 construction seasons.

3) Segment 2:

- a) Design and land acquisition for the setback levee continues.
- b) In order to achieve completion of this work by the end of 2008, TRLIA anticipates beginning construction of the setback foundation (northerly portion of setback) in September 2007, which requires land acquisition be accomplished now.
- c) On Jun 19, 2007 the TRLIA Board approved two Real Property Resolution of Necessities for the Feather River setback levee. The TRLIA Board will consider 5 additional Resolution of Necessities in late July and early August.
- d) TRLIA provided an informational briefing outlining the programmatic approach to encroachment permits for this segment at the special State Reclamation Board meeting.
- e) TRLIA has consulted with the Corps and State Reclamation Board staff and do not believe 408 approval is required until the existing levee is degraded in late 2008 or 2009.
- f) TRLIA has submitted an encroachment permit application to the State Reclamation Board staff for review. TRLIA and Reclamation Board Staff have agreed to present the encroachment permit for Segment 2 for action at the August 2007 State Reclamation Board meeting, in lieu of the previous July date.

3. Building Permits Issued in Plumas Lake Specific Plan Area and North Arboga Study Area in 2007:

- a. The normal building permit information provided to the Reclamation Board was not available in time for this initial submittal. This information will be provided in a handout at your regular meeting.